

IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF IOWA  
DAVENPORT DIVISION

AMERICAN HUNTING INNOVATIONS, )  
L.L.C., a/k/a RDT ARCHERY and )  
a/k/a KEMPF CROSSBOWS; J & S )  
R.D.T. ARCHERY, INC.; and ) ORIGINAL  
JAMES J. KEMPF, an ) CIVIL NO. 3:12-cv-96  
Individual, )  
Plaintiffs, ) TRANSCRIPT OF  
-vs- ) PROCEEDINGS  
SAVAGE SPORTS CORPORATION; ) MARKMAN HEARING  
EXTREME TECHNOLOGIES, INC.; )  
and EXTREME TECHNOLOGIES, )  
INC., d/b/a BOWTECH, )  
Defendants. )

TRANSCRIPT OF PROCEEDINGS, held before the Honorable John  
Jarvey, at the Federal Courthouse, Davenport, Iowa, commencing  
at 1:26 p.m., July 9, 2013, reported by Linda Faurote-Egbers,  
Certified Shorthand Reporter for the State of Iowa.

APPEARANCES

Plaintiff by: BRETT J. TROUT  
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Defendant by: PETER E. HEUSER  
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1 THE COURT: Please be seated. The record can reflect  
2 that we are here in the matter of American Hunting Innovations  
3 and others versus Savage Sports Corporation and others, it is  
4 Civil Case 3:12-cv-96. We are here for a hearing on the  
5 parties' claim construction, also known as a Markman hearing.

6 I understand that each side only plans to have oral  
7 argument today, there's nothing else -- no evidentiary  
8 presentation, correct, Mr. Trout?

9 MR. TROUT: Yes, Your Honor, that's correct.

10 MR. HEUSER: Yes, Your Honor.

11 THE COURT: We will hear from the Plaintiff first.

12 MR. TROUT: May it please the Court. What we are  
13 talking about today is a crossbow and I apologize that we don't  
14 have a crossbow here today. I was thinking we might be able to  
15 have one, but what we are basically looking at is archery bows  
16 and more particularly a crossbow there is a crossbow from the  
17 '001 patent.

18 Basically the parts of a crossbow are the riser which  
19 is this portion here (Indicating) -- I don't know if Your Honor  
20 can see.

21 THE COURT: Yes.

22 MR. HEUSER: You are free to use this if you like.

23 MR. TROUT: Thank you. Your Honor, may I approach?

24 THE COURT: Yes.

25 MR. TROUT: If I can hand that to the Court.

1 THE COURT: You couldn't bring the whole thing?

2 MR. HEUSER: I was a little concerned about getting  
3 through security.

4 THE COURT: With a weapon?

5 MR. HEUSER: Yeah.

6 THE COURT: Of course our security team is more used  
7 to criminal cases. The big difference between a criminal case  
8 and a civil one is they want to kill you before the hearing  
9 starts.

10 Go ahead. I am somewhat familiar with them. I am an  
11 avid hunter, I have never been a bow hunter, never shot a bow  
12 like this, but I am somewhat familiar. I also took it upon  
13 myself to go to Gander Mountain yesterday and look at some  
14 crossbows and some compound bows. I am, you know, generally  
15 familiar with it. There's a lot of terms I don't know and we  
16 will talk about them along the way. I assume these (Indicating)  
17 are both cams, but I don't know the difference between a cam and  
18 a pulley.

19 MR. TROUT: Yes, Your Honor, those are cams.

20 THE COURT: Some of those things I will need help  
21 with.

22 MR. TROUT: The overall thought, the reason that  
23 doesn't look like a bow from the 1300s is you have this  
24 mechanical advantage so that when you pull out, you get a lot  
25 more string let out for a little movement in the risers causes a

1 big movement of the arrow going forward so you get much --

2 THE COURT: The risers or the limbs?

3 MR. TROUT: I'm sorry. The limbs.

4 THE COURT: Yeah.

5 MR. TROUT: The limbs. You're right. The riser is  
6 the crossbar and the limbs are these portions right here  
7 (Indicating) and then you have these string guides, in this  
8 case, you have -- we have a pulley and then you would have a  
9 cam, but the basic premise is the same, that you have a  
10 mechanical advantage so that as you pull a little bit here  
11 (Indicating) you get a large movement of the string here  
12 (Indicating) so you end up with a very, very fast bow compared  
13 to a traditional what you would call recurve bow.

14 Then another thing you don't have in a recurve bow  
15 would be these cables (Indicating) and they're basically  
16 maintaining -- they're keeping the limbs together. They're  
17 maintaining the majority of the weight of keeping the limbs  
18 together so you have the bowstring here (Indicating) which goes  
19 -- which hooks onto the arrow, which propels the arrow, but then  
20 you have these cables here (Indicating) that connect between the  
21 string guides to keep the limbs together.

22 Then in a crossbow you have a rail which is basically  
23 what the arrow rides on, then you have a catch back here  
24 (Indicating) so you don't have to keep holding the bowstring  
25 back and the bow strings are so much -- they hold so much more

1 weight than a typical recurve bow or even a typical compound  
2 bow, you can't even cock that manually, you have to have a  
3 special leverage advantage to even cock a crossbow.

4 THE COURT: Yeah, I watched that on Mr. Kempf's  
5 website the other day too. I saw how all that is done.

6 MR. TROUT: Great. Then basically you have a trigger  
7 so what you do is you pull the bowstring back, there's a little  
8 footster up there, sometimes you need that much advantage to  
9 just put your foot in that footster up there, (Indicating)  
10 that's that chunky thing in the end, then you have -- like you  
11 saw in the video, you lock the string in the catch, place the  
12 arrow on the rail, you aim, and you pull the trigger.

13 So why the crossbow in the '001 is better than the  
14 other crossbows, why it is so advantageous. The advantage is is  
15 that you have normal crossbows which have the bowstring come  
16 from the rear and so you cock the arrow back and you shoot it.

17 On Mr. Kempf's patent, you have the bowstring going in  
18 the front and it doesn't seem like it makes much difference, but  
19 what you end up having is this difference here is the additional  
20 amount of time in which the bowstring is coupled to the arrow  
21 and propelling the arrow and the total distance is called the  
22 power stroke, the total distance that the string is propelling  
23 the arrow, and if you get this increased power stroke, you get a  
24 faster bow and you can make a smaller bow, everything else being  
25 equal, or you can make a faster, smaller bow, so basically by

1 keeping the bowstring on that much extra gives you a huge  
2 advantage in power over standard bows that all the other bows  
3 that have the bowstring going across the rear string guides like  
4 this. (Indicating)

5 THE COURT: And that's the only thing that is novel on  
6 this, correct, or not?

7 MR. TROUT: Right, that's basically the -- the  
8 increased power stroke is the only thing that's novel on this.

9 THE COURT: And coming only from or mostly from the  
10 fact that the string goes in a forward position rather than the  
11 rear?

12 MR. TROUT: Exactly, Your Honor. Okay. So basically  
13 we're -- what is odd is that we are not talking about the  
14 increased bow stroke -- the increased power stroke today, all we  
15 are talking about is the string guides which is as you saw when  
16 you went to the store, they're on every compound bow, every  
17 compound crossbow, they all have these string guides.

18 So what is a string guide? The patent shows two  
19 examples here, so it is basically anything that guides a string.  
20 It is simple technology, anyone can understand. It is not  
21 rocket science. Basically the reason that you use string guides  
22 is because we don't need to have it be very narrow because it is  
23 not the heart of the invention, it is not the novelty associated  
24 with the invention, every bow has a string guide.

25 THE COURT: Is the string guide the cam or the pulley

1 or the channel in which the string is riding?

2 MR. TROUT: Anything that would guide a string so it's  
3 a cam, if a cam guides the string, then it is; if it is the  
4 channel on something that's maintaining a string in a particular  
5 point, then that's what the string guide would be. Anything  
6 that guides a string either horizontally or laterally, anything  
7 that would guide a string so, you know, in this example here,  
8 (Indicating) it would be the cam here (Indicating) and the  
9 pulley would be those two things. Am I answering --

10 THE COURT: If there was no cam or there was no  
11 pulley, then the axle or what you would call the -- what I would  
12 call the axle would be in your opinion the string guide?

13 MR. TROUT: Your Honor, in this situation would not be  
14 because there has to be two separate parts. There's two  
15 separate elements claimed in the claim so there's a journaling  
16 means and then there's a string guide so they have to be  
17 different components so it would have to be something other than  
18 the axle.

19 THE COURT: Okay. Is journaling -- that's an odd term  
20 to me. I understand it only in the literary sense. Is that the  
21 axle, journaling?

22 MR. TROUT: Yes, Your Honor.

23 THE COURT: It is a method of attaching the cam or  
24 pulley to the limb, that's just it, journaling?

25 MR. TROUT: Well, Your Honor, it is a method of

1 attaching and basically what it is is something that rotates  
2 relative to something else so if it was a fixed attachment, that  
3 wouldn't be journaled. It would have to be like an axle.

4 THE COURT: Okay. Thank you. It has to rotate to be  
5 journaled?

6 MR. TROUT: Right, the axle can be stationary and it  
7 can rotate or it can be stationary and the axle rotate, but  
8 you're right, one has to rotate relative to the other.

9 THE COURT: Thank you.

10 MR. TROUT: So the reason that string guide is in such  
11 broad language to cover so many different things is because it  
12 is not the heart of the invention, the heart of the invention is  
13 the increased power stroke so why are the claims not limited to  
14 the cam or pulley? If the -- Mr. Kempf, the inventor here, if  
15 he would have wanted it to be limited to a cam or pulley, he  
16 could certainly have stated that in the claims. He  
17 intentionally did not state that in the patent claims because  
18 the invention is so much broader, basically anything that would  
19 have any kind of a string guide with this increased power  
20 stroke.

21 THE COURT: A couple of the claims later, like 10 and  
22 11 do have a cam or a pulley as the string guide.

23 MR. TROUT: You're right, Your Honor, so certainly a  
24 cam is absolutely a string guide and a pulley is absolutely a  
25 string guide.



1 THE COURT: Thank you.

2 MR. TROUT: When the Patent Office reviews a patent,  
3 any patent, including the '001 patent, according to the Manual  
4 of Patent Examining Procedure they have to read the claims in  
5 the broadest reasonable interpretation consistent with the  
6 specification, so when they read it, they read string guide as  
7 anything that guides a string, having prosecuted patents for  
8 many, many years, their idea of what constitutes a broad  
9 interpretation is very broad interpretation, so if there was  
10 anything in there that would have been in the prior art that  
11 would have prevented Mr. Kempf from getting this patent because  
12 this thing held a string in a certain way, either laterally or  
13 horizontally, the Patent Office would have rejected the claim  
14 based on that and then Mr. Kempf would have been required to  
15 narrow the claims to something, maybe a cam or maybe a pulley.

16 Under --

17 THE COURT: I know this doesn't matter, but it does to  
18 me anyway. I don't get why this is so important. Are you  
19 thinking that they're going to design around your patent if it  
20 is limited to a cam or a pulley?

21 MR. TROUT: Yes, Your Honor, I mean, what -- we will  
22 get to a little more detail, but basically what they have done  
23 is they have taken their bow and they've seen what kind of --  
24 how you could possibly read it so it wouldn't read on their bow  
25 and they are trying to extract information from the preferred

1 embodiment and put it into the claims because their  
2 interpretation, when you see it, it is so strange in such an odd  
3 way --

4 THE COURT: Their bows have cams and pulleys too.  
5 That's why I asked the question.

6 MR. TROUT: And again, Your Honor, I don't know what  
7 their position is. I am guessing their position is is that  
8 they're arguing that their string is not coupled to a string  
9 guide because their -- they have a pulley on there that's part  
10 of their assembly so they have a cam part and a pulley part, but  
11 I think -- I'm guessing their argument is going to be that their  
12 pulley part is not a string guide for some reason. That would  
13 be my guess.

14 THE COURT: Thank you. Now that you mentioned it,  
15 that's another word I don't understand. Coupled. Nobody is  
16 arguing about what coupled means, but I don't fully understand  
17 what coupled means in this context.

18 MR. TROUT: Your Honor, go ahead. I'm sorry.

19 THE COURT: No, I'm done.

20 MR. TROUT: Coupled would be a very, very broad  
21 connection. Journal is very narrow, there has to be that  
22 rotation, but coupled can be any way they are put together so if  
23 -- if this part, (Indicating) you know, is not -- not touching  
24 this part, (Indicating) I mean, if there's nothing in between,  
25 then it is not coupled. If this part (Indicating) is connected

1 to this part (Indicating) connected to this part, (Indicating)  
2 then, you know, it is coupled and how -- how much you can have  
3 in between, you know, that's a question maybe for a Trier of  
4 Fact; but certainly if they're touching, that's coupled, if  
5 there's one piece in between, that's coupled, how many more  
6 pieces would kind of depend on the art.

7 THE COURT: So as we talk about it today in the  
8 context of this, you are saying that the string couples the cam  
9 and the pulley or what?

10 MR. TROUT: Yes, Your Honor.

11 THE COURT: Okay.

12 MR. TROUT: Yeah, whether they're a cam-cam or  
13 pulley-pulley, they do touch both of those parts.

14 THE COURT: Okay. Thank you.

15 MR. TROUT: When the Patent Office is examining a  
16 claim, just because you have a very, very broad term like string  
17 guide, that doesn't make it indefinite. As the Federal Circuit  
18 has stated, "Claim to a formula containing over 5,000 possible  
19 combinations is not necessarily ambiguous if it sufficiently  
20 notifies the public of the scope of the claims," so just because  
21 a term is very, very broad doesn't necessitate that the Court  
22 has to narrow it. I mean, according to the Rules, it is given  
23 the full scope of how it was claimed.

24 I know the Court understands this, but just briefly,  
25 the parts of a patent, the first part, they talk about the state

1 of the art, what other people are doing, description of the --  
2 detailed description of the preferred embodiment, the drawings,  
3 and the claims, and we will go through those in a little detail.

4           The state of the art, that describes what's called the  
5 prior art. I mean, any documentation in the public hands more  
6 than a year before the applicant filed the patent is prior art.  
7 The reason prior art is important is because if the patentee  
8 comes up with something that someone already did, even if the  
9 patentee didn't know about it, they don't get a patent. Quid  
10 pro quo is I give the public something new and in return I get  
11 this 20-year monopoly and so the prior art is what the Patent  
12 Office uses to determine whether you do get the patent or don't  
13 get the patent.

14           The preferred embodiment, that's the part of the  
15 patent that describes in detail the invention and how you use it  
16 and it is very exacting terms because if I have on my preferred  
17 -- like if you looked at this-- Your Honor, if you looked at the  
18 claims, I think it would be very difficult to even determine  
19 what -- what is being described, let alone how to reproduce that  
20 without the specification to kind of detail that and the  
21 requirement is that the specification be so detailed that if I  
22 handed it to someone skilled in the prior art, I give them six  
23 months and a million bucks, they would be able to give me my  
24 invention, and so it gets extremely detailed, what the parts  
25 are, and it names what the specific parts are, even though again

1 it is just known specifically in a '001 patent, as you can see,  
2 it is a detailed description not of the invention, but of a  
3 preferred embodiment.

4 Also there's a requirement that it be the best mode.  
5 If I know a good way to make it and a bad way to make it, I  
6 can't tell the public the bad way and keep the good way to me to  
7 make money. I'm under -- the requirement is is that I tell the  
8 best mode to make it.

9 Then we look at the drawings. Basically that supports  
10 the detailed description. You have a bunch of lead lines and  
11 numbers that match up with preferred embodiment just to make it  
12 easier for someone to understand.

13 The claims, most important part of the invention, I'm  
14 sorry, the most important part of the patent, they define the  
15 scope of what the invention is so the job of the state of the  
16 art, tell you what the prior art is. The job of the preferred  
17 embodiment, telling you how to make one. Then the job of the  
18 claims is what am I claiming, what am I claiming, what are the  
19 metes and bounds of what my monopoly is, and that's why claims  
20 are written in such strange language, such broad language, and  
21 they don't even necessarily have all the parts that you would  
22 need to have.

23 I mean, they don't necessarily -- if you want a  
24 cocking device for your -- for a bow, for a crossbow, which most  
25 of them do, they are not in the claims because you are only

1 looking at the minimum level of the grouping necessary to claim  
2 something that's novel and there's two types of claims,  
3 independent claims like this claim three stand on their own and  
4 dependent claims say claim three plus this or claim three plus  
5 this and this and those are called dependent claims and we have  
6 both types in this case.

7           So basically why did Mr. Kempf in his claim limit the  
8 claims to a cam or a pulley? Because in the claims he has two  
9 kinds of parts, the parts that are the prior art parts and then  
10 the parts that are the novel parts and as we talked about  
11 before, the string guides of the prior art parts, every compound  
12 crossbow, every compound bow uses those, and then the novelty  
13 would be that putting the string in front there, that increased  
14 power stroke, and so the part with the cam is -- is drafted  
15 very, very broadly because we want to cover every way anybody  
16 has ever done that and the Patent Office has looked at every way  
17 anyone had ever done that to the extent of their search because  
18 they want to make sure there wasn't anything else out there, but  
19 we weren't too worried about that because everybody has done it  
20 before and then we get to the power stroke, it is drafted very,  
21 very narrowly.

22           So because Mr. Kempf drafted the claims the way he  
23 wanted those claims, there's no reason to unfairly limit those  
24 scopes now. The claims are intentionally broad to prevent the  
25 competitors from designing around it by trying to avoid some of

1 the limitations in the claim because all they have to do really  
2 is avoid one limitation in the claim.

3 If they have that increased power stroke, but they  
4 change one of the parts, you know, that they don't have a string  
5 guide at all, then they don't infringe and so usually they try  
6 to mess with the inventive part because that's the part drafted  
7 most narrowly. They don't usually pick on these very broad  
8 parts because the claim language in this case is so broad.

9 So the Patent Office gave the string guide its  
10 broadest possible interpretation when reviewing the patent and  
11 they still granted it because it is so far removed from what the  
12 invention is.

13 So let's look at the key question, what is a string  
14 guide? And a string guide would be a cam which is shown there  
15 or a pulley or a wheel or a combination of those components,  
16 basically anything that guides a string and when Your Honor was  
17 speaking before about the trough, you can kind of see that there  
18 is this trough, you know, from an end-on view, you can see that  
19 that's where the string resides on that assembly.

20 So this is an example from Plaintiffs' claim  
21 construction expert witness and this is basically if you can  
22 imagine an end-on view of the cam assembly and what you are  
23 looking at would be -- the string is in yellow and the walls of  
24 the string guide are in red, so if you looked at the cam end-on,  
25 and, yeah, you would see -- you can see the top string is just a

1 circle because it has been cross-sectioned, but basically this  
2 shows how the string is maintained in a lateral orientation, it  
3 is guided laterally from becoming removed from the cam in  
4 addition to being moved horizontally.

5 So why does the '001 patent make broad use of a term  
6 like string guide? It is not the heart of the invention,  
7 there's no worries about running afoul of the prior art having  
8 it declared invalid because some prior art is going to pop up,  
9 the increased power stroke is the heart of the invention, and as  
10 long as it is associated with any type of string guide in the  
11 prior art, it is still covered by the claims.

12 The Manual of Patent Examining Procedure says that,  
13 "The pending claims are given their broadest reasonable  
14 interpretation consistent with the specification," so as we  
15 talked about again, this broadest reasonable interpretation,  
16 they didn't have any problem with it when we were going through  
17 the vetting process and the granting process at the Patent and  
18 Trademark Office.

19 So construing the string guide, where to start, as the  
20 Court knows, construing claim language begins and ends with the  
21 claims themselves. It can go the securest route, find other  
22 things, but you are going to look at the claims themselves. The  
23 claims define the invention and what we will look at is claim  
24 three here, this is an example, and we will go through it and  
25 what I have done is I have put in black the portion that talks



1 about string guides since that's what we're worried about here,  
2 so if we look at Section B, it says a first string guide, and  
3 then C is a means for journaling the first string guide to the  
4 first limb, we talked about that before, that would be the cam  
5 or the pulley or the wheel journaled to the axle so it is  
6 basically coupled to the axle in a way that rotates and then --

7 THE COURT: The first time you lost me. I thought the  
8 first string guide is the cable and the second one is the  
9 bowstring.

10 MR. TROUT: I apologize, Your Honor. The first string  
11 is the bowstring -- the first string is the cable and the second  
12 string is the bowstring.

13 THE COURT: Yeah, guide, you are talking about guides.  
14 Thank you.

15 MR. TROUT: Then in C -- or talk about D, a second  
16 string guide; then E, a means for journaling the second string  
17 guide to the second limb, we kind of went through that; then a  
18 first string coupled to the first string guide and the second  
19 string guide, that would be your cable; and then here is kind of  
20 the heart of the invention, a second string coupled from a first  
21 point on said first string guide forward of said first  
22 journaling means to a second point on said second string forward  
23 of said second journaling means, it is a mouthful, but basically  
24 you are talking about the strings being coupled in front as  
25 opposed to being behind so you get that increased power stroke;

1 and then finally, wherein the arrow is coupled to the second  
2 string at a point rearward of the second string guide of the  
3 first string guide and of the second string guide so you have to  
4 cock it back.

5 THE COURT: Did you get all that, Linda? He's pretty  
6 quick.

7 MR. TROUT: They were saying before that I need to  
8 speak loudly and loudly is not a problem; but the speed, I will  
9 try to keep that more in check.

10 Words are given their common meaning. Unless it  
11 appears the inventor used them differently, the rule is that the  
12 inventor can be their own lexicon, or they can make up any  
13 definition for any word that they want; but absent some  
14 indication that they meant them to be something different than  
15 their common meaning, then they are going to be given their  
16 ordinary meaning.

17 So basically string guide is simple. It is something  
18 that guides the string. It is a string guide so it is something  
19 that guides it against moving off the cam laterally or moves the  
20 string horizontally, but basically guides the string in some  
21 manner.

22 According to Federal Circuit, "Patents are to receive  
23 a liberal construction and to be interpreted to uphold and not  
24 destroy the right of the inventor," so Mr. Kempf, you know, he  
25 didn't just throw these claims up, I mean, these claims were

1 battered and beaten around before they were submitted because he  
2 had to make sure they fully encompassed the scope of his  
3 invention so going to all that trouble, the Federal Circuit  
4 states that we can't interpret those claims to destroy the  
5 rights that he worked so hard to obtain.

6           He used -- intentionally used very broad language, the  
7 Patent Office allowed it. Nothing limits the construction so  
8 there's nothing in the claim, nothing in the specification, and  
9 there's nothing in the prosecution history that would limit that  
10 string guide interpretation that we just discussed. It doesn't  
11 indicate that Mr. Kempf intended any words to be used other --  
12 like in an extraordinary fashion. There's nothing in the  
13 specification. It is tough for me, I wish we could have an  
14 example, but I can't really prove a negative, but I am sure we  
15 will get into that a little later, but accordingly, string and  
16 guide should be construed according to their common meanings.

17           If Mr. Kempf had intended that the term string guide  
18 to be equivalent to cam or pulley, he would have used cam or  
19 pulley in the claims instead of the much broader string guide.  
20 He did not do this and he should not be restricted as if he had  
21 and it is not like he didn't know the difference. If you look  
22 at the claims, cam and pulley are mentioned in some of the  
23 claims so he knew what that was so if he wanted to have one  
24 claim that it was a cam and one claim that it was a pulley, that  
25 would cover everything so he certainly knew the difference.

1           What does the '001 patent say? And so the rule is you  
2     can't pull things out of the specifications and put them into  
3     the claims and if that wasn't clear enough, the patent says in  
4     the -- in the specification itself, although the invention has  
5     been described with respect to a preferred embodiment thereof,  
6     it is also to be understood that it is not to be so limited,  
7     since changes and modifications can be made therein which are  
8     within the full, intended scope of this invention as defined by  
9     the appended claims, so it specifically states that this is a  
10    preferred embodiment, you can change it, as long as it is  
11    covered by the claims, it is covered, even if it is not  
12    described in the preferred embodiment.

13           The common meaning of string guide is something that  
14    guides a string. It's that simple. Anything else is a  
15    limitation that violates the rules of claim construction, denies  
16    Mr. Kempf the full scope of his patent, and is not supported by  
17    any intrinsic evidence, which would be the claims of the spec,  
18    the drawings, the prosecution file record, or any extrinsic  
19    evidence.

20           There are two competing constructions. Mr. Kempf's  
21    construction is anything that guides a string, the Defendants'  
22    construction is a first cam or pulley for guiding a string as it  
23    is taken up or let out when an arrow is drawn back for shooting  
24    and released. Seems like a rather odd interpretation,  
25    especially since that language is not found in the application

1     itself.

2                   The language of the '001 patent is not ambiguous.  
3     There's no justification for resorting to extrinsic evidence to  
4     justify Defendants' interpretation. Our expert, Mr. Michael  
5     Sturm, who is formerly a patent examiner with the United States  
6     Patent and Trademark Office, he was also a patent agent for a  
7     while, he has been a patent attorney since 1974, he still  
8     practices, he's drafted patents for archery clients so he is  
9     very familiar with archery patents, he's an avid bow hunter  
10    since the sixties, bow hunted and shot every year since the  
11    seventies, multiple Pope and Young record books, just got one  
12    for mule deer, and what that means is that he's a much better  
13    hunter than I am. He has large enough game they can be entered  
14    in the record books so by virtue of what he does for a living,  
15    namely drafting patents for archery clients, he has to  
16    understand the person of ordinary skill in the art with every  
17    patent that he drafts, so whether it is an archery patent or  
18    not, he still has to know what a person in the ordinary skill of  
19    the art is because he still has to draft the patent application  
20    for them to understand that.

21                  Mr. Sturm's opinion is that the first string guide is  
22    everything on the first limb that guides a string, the second  
23    string guide is everything on the second limb that guides the  
24    string. He states that the two-word term "string guide" is  
25    broad enough to mean anything that guides a string. Those two

1 words, "string guide," literally do not require that the string  
2 be guided in any particular direction so whether it is forward  
3 or backward or horizontally or laterally, it doesn't limit it to  
4 how it guides the string, as long as it guides the string.

5 Defendants' expert, 15 years with Hoyt Archery, has a  
6 Bachelor's Degree in manufacturing engineering, has an MBA, he  
7 is not a lawyer, but he contributed to the development of  
8 various archery and firearm products. This is Mr. Fogg's  
9 opinion, the Defendants' expert opinion. "I have reviewed the  
10 prosecution history, but I do not think there is anything in the  
11 history pertinent to the above discussion because --"

12 THE COURT: A little slower.

13 MR. TROUT: "But I do not think there is anything in  
14 the history pertinent to the above discussion. Because the  
15 construction is clear, based upon the patent and my knowledge of  
16 the technology, I do not see any reason to refer specifically to  
17 extrinsic sources," and that's why you are not really going to  
18 see too much in the way of extrinsic sources in -- today because  
19 I think we both agree that the claim language is pretty  
20 unambiguous, how we agree in completely different ways is odd,  
21 but I think we agree that it is pretty straightforward.

22 So Mr. Fogg's opinion, and it is what I call a  
23 thin-air opinion because it is not -- there's no -- this  
24 language does not appear anywhere in the claims, it doesn't  
25 appear anywhere in the patent, doesn't appear anywhere in the

1 prosecution history, doesn't appear anywhere in any other claim  
2 that has ever existed or any other documentation that Mr. Fogg  
3 has ever seen so this language, I don't know where it came from,  
4 and if you look at it, basically the first string guide is a  
5 first cam or pulley for guiding a string as it is taken up or  
6 let out when an arrow is drawn back for shooting and released.

7           So we talked about there's no extrinsic or intrinsic  
8 evidence and in the deposition of Mr. Fogg he confirmed that,  
9 that that language is not found in any documentation that he's  
10 run across. Not only that, but there's no intrinsic or  
11 extrinsic evidence, it is not in the claims or in the  
12 prosecution history or the specification or anything else, the  
13 term let out, just that term, let out, the term take up, that is  
14 not found anywhere in any of the claims or anything that he  
15 found, any other patents he looked at, all the material he  
16 reviewed, those terms aren't anywhere.

17           So that construction is not ordinary and customary  
18 meaning, it is not supported by the intrinsic evidence or the  
19 extrinsic evidence. The definition that they have for the  
20 construction is tortured to an end. It looks so odd. It is  
21 oddly specific in an oddly specific way and why is that?

22           Well, because basically the Defendants are using their  
23 infringing crossbow as a road map for hindsight calculation as  
24 to what the construction is and so, I mean, we are not -- this  
25 is not about infringement; but if you look at the Defendants'

1 interpretation of what the construction is, that is 100 percent  
2 about infringement. You are basically using their bow as a  
3 template to try to come up with some language and they couldn't  
4 even find any language in the claims or in the prosecution  
5 history or in the preferred embodiment that would get crazy  
6 enough to get around what they have because that claim language  
7 is so broad, so they had to come up with language, they couldn't  
8 even find it in another patent or in a treatise. They couldn't  
9 find that language anywhere so they had to come up with it out  
10 of thin air. That's why it looks so odd is because it reads  
11 directly on how their bow would avoid infringement.

12           So basically their expert opinion is trying to impart  
13 their definition of what their bow is onto Mr. Kempf's patent  
14 claims and the only reason is because that's the only way that  
15 they can define string guide to avoid infringement. I would ask  
16 how else could you possibly have come up with such an oddly  
17 specific definition, that's not found anywhere, I can see that  
18 if he found this patent and it had this language in it, he could  
19 say well, I think it is relevant, we say we don't think it is  
20 relevant or if he found it in a treatise, we could say that  
21 applies to bows, not crossbows, but this language does not exist  
22 anywhere. Not only does the language not exist anywhere, this  
23 let up and take out business, those two tiny terms don't show up  
24 anywhere.

25           There's no way that you would come up with that



1 without -- from our position there's no way that you would come  
2 up with that without using the infringing bow as a template so  
3 we are looking at the rules for claim construction, it is a  
4 cardinal sin to import limitations from the written description  
5 into the claim. Taking cam and pulley out of the preferred  
6 embodiment and try putting them in the claim, that's not  
7 allowed, that's a cardinal sin. Disclosure of a single or  
8 preferred embodiment does not limit the invention to the  
9 features disclosed and the claims are not confined to the  
10 specific embodiments and those are all Federal Circuit cases  
11 that explain why it is improper to pull that language out of  
12 there.

13           So here is a very curious patent that we think would  
14 be very helpful to the judge, to the Court. Mr. Fogg, the  
15 Defendants' expert, is listed as an inventor and in the Patent  
16 6871643, Mr. Fogg describes -- under the section describes state  
17 of the art, and we talked about that before, there's different  
18 parts and this part is not talking about Mr. Fogg's invention.  
19 This part is talking about what the prior art is so basically, I  
20 apologize, you can't see it here very well, this is a section of  
21 -- it is in a lighter material, but Your Honor can look at the  
22 patent itself, it is column one, lines 28 to 45; but these are  
23 just -- I highlighted the parts that are important and this is  
24 what Mr. Fogg, Defendants' expert, stated in terms of what the  
25 prior art was.

1           The term pulley encompasses a single wheel or an  
2     extentric element, but also included an assembly of one or more  
3     such components. Sometimes an extentric or wheel may be  
4     identified as a cam substantially in accordance with its  
5     ordinary dictionary meaning so according to their expert, pulley  
6     is broad enough to cover wheel, to cover pulley, to cover cam,  
7     to cover any combination of those.

8           There's no business in here about let up or take out  
9     or arrow or pull back, that is not how he defines it when he is  
10    defining what the prior art is. He only defines that as what  
11    the prior art is when he defines what our claims are so this is  
12    I think very telling because this is the Defendants' expert's  
13    testimony when there's not this motivation one way or the other  
14    so we can see what the true definition is. This is their  
15    expert, this is not our expert.

16          So basically there's no reference to let up or take  
17    out anywhere in Mr. Fogg's patents, even though he said that  
18    that's what string guide is, and he defines pulley as covering  
19    the very least a pulley, a cam, a wheel, or any combination of  
20    those.

21          So basically this patent is very, very simple in terms  
22    of claim construction, probably the simplest claim construction  
23    case that I have ever run across. A string guide is something  
24    that guides a string. A string guide is in the claims, it is in  
25    the specification, it is in prosecution history, so it is very

1 well detailed what it is and it is very well detailed that if  
2 Mr. Kempf had wanted that to be a cam or a pulley, he would have  
3 included that in the claims like he did in some of the other  
4 claims and some of the dependent claims so Mr. Kempf is entitled  
5 to the full scope of his patent as thoroughly vetted and granted  
6 by the United States Patent and Trademark Office to mean  
7 anything that guides a string.

8 That's the end of the presentation, Your Honor.

9 THE COURT: You are not going to talk about thisnock  
10 point thing?

11 MR. TROUT: Your Honor, my understanding is that -- is  
12 that the Defendants have waived thenock point. I would be more  
13 than happy to discuss it on rebuttal if they wanted to get into  
14 that.

15 MR. HEUSER: No, we didn't see any reason to address  
16 nock point. It is not an issue in infringement or validity so  
17 we didn't think it was worthwhile so we will defer to their  
18 definition onnock point.

19 THE COURT: Thank you very much. You pronounce your  
20 name Heuser?

21 MR. HEUSER: Heuser. Very good. Not very many people  
22 pronounce it properly the first time. I have hard copies of my  
23 PowerPoint. Would the Court like these?

24 THE COURT: Thank you.

25 MR. HEUSER: I also have a first page or a single page

1 from the Phillips decision that we both referenced decided by  
2 the Federal Circuit. The reason I included that is it has the  
3 claim language from the Phillips case.

4 Your Honor, I am Peter Heuser representing Savage and  
5 Bowtech. I am -- I live in Portland, but I grew up in Wisconsin  
6 so hopefully I will speak even more slowly than sometimes some  
7 of us do.

8 To really get down to this case is we know that the  
9 question is whether -- whether we're trying to import language  
10 from the specification and reading it into the claim. We know  
11 that's a cardinal sin, we know that's what the Phillips case  
12 said. The Phillips case also focused on the Vitronics case and  
13 other similar cases to talk about how it is really important  
14 that you look to the specification because they provide the best  
15 guide as to interpreting the claim language, so Phillips said  
16 those things.

17 Chisum, the leading treatise on patents and, in fact,  
18 this language was found in Phillips as well, I didn't realize  
19 it, at 1323, where the Federal Circuit says it is a fine line  
20 between interpreting the claim language to -- in view of the  
21 specifications and reading the limitation into the claim  
22 language.

23 Now, it is interesting that in the discussion about  
24 the cardinal sin language in Phillips, I just read Phillips  
25 yesterday again and I -- and I realized it is really important

1 for this case. Number one, it is an en banc decision, 2005; it  
2 is after all of the cases that the two parties cited to you, so  
3 it provides a good explanation of these prior cases. The  
4 cardinal sin language came from the Texas Digital case and  
5 SciMed cases that were talking about using the dictionary  
6 definitions and actually the Federal Circuit was somewhat  
7 critical of those cases in that they overstress the use of  
8 dictionary definitions. That is not at issue here. We are not  
9 talking about dictionary definitions.

10           They did -- the Phillips case did in the end of their  
11 discussion about how to apply -- how to interpret claim  
12 language. They said really what we should follow is we should  
13 follow the Vitronics case, the Supreme Court Markman case, and  
14 the Innova case, so after they analyze all the claims of the  
15 prior cases, they then went to the claims at issue because as we  
16 all know, the claims are the starting point.

17           Now, what was the issue in Phillips? It will be  
18 helpful here. The issue in Phillips was there was a -- there  
19 was a wall that was used in prisons and the like, the wall had a  
20 baffle in it. Now, the District Court looked at that and said  
21 well, we don't see any language in the claim that helps us so  
22 the District Court then went to the specification and they said  
23 look at the specification, the only examples given there of the  
24 baffle is that it must extend inwardly at either an acute or an  
25 obtuse angle. They therefore concluded that the term baffle

1 should be properly construed to require that it be either obtuse  
2 or acute and not perpendicular.

3           In that case it was critical. They granted Summary  
4 Judgment of noninfringement because the accused design was  
5 perpendicular so the Federal Circuit was faced with that, did  
6 they read limitations into the claim? So what did they do  
7 first? They looked at the claim language and this is why I have  
8 a copy of it for the Court. I am sorry it is not on the  
9 PowerPoint; but if we look at the hard copy, we can look at the  
10 limitations in the claim. There's nothing in there about acute  
11 or obtuse or perpendicular or nonperpendicular, but what it says  
12 in the latter part of the claim, it says, "Further means  
13 disposed inside the shell for increasing its load-bearing  
14 capacity comprising internal steel baffles extending inwardly  
15 from the steel shell walls," so the Federal Circuit said okay,  
16 what limitations are there in that claim with respect to baffle?  
17 It's got to be a part of the load-bearing capacity, it's got to  
18 be steel, and it's got to extend inward, so those are the only  
19 limitations. There's no limitations there about it being obtuse  
20 or acute or not perpendicular.

21           They then looked at the other claims and didn't see  
22 any issues there. They went to the specification then and the  
23 specification talked about the load-bearing capacity, the --  
24 that it extend -- the baffles extend inwardly and that they be  
25 made of steel and they concluded -- they then reversed the

1 Summary Judgment, told the District Court to follow their  
2 guidelines, in effect ruling that the District Court had read  
3 limitations into the claim.

4 Well, that -- that's not a surprising ruling here.  
5 There's nothing in that claim about -- about obtuse angles or  
6 acute angles or nonperpendicular. That's an example of reading  
7 limitations from the specification in the claims. That's what  
8 we can't do here.

9 What the Federal Circuit told us to do is they told us  
10 we've got to interpret the claim language as one with ordinary  
11 skill would interpret that language, so Mr. Trout talked for a  
12 moment about the experts. Let me just visit that briefly.

13 Mr. Michael Sturm is a -- he has an engineering  
14 degree, former Patent Office examiner, very experienced patent  
15 attorney, avid, avid bow hunter; but, he never designed a modern  
16 bow, he never worked as an engineer for a bow manufacturer,  
17 never had formal training in bow technology. We've appended  
18 pertinent parts of his deposition where he admitted these  
19 things. He also said in his deposition that the person with  
20 ordinary skill in the art as it pertains to these patents is  
21 somebody who designs bows. That's Mr. Fogg.

22 We look at Mr. Fogg's background, 15 years employed as  
23 a bow engineer at Hoyt, working his way up from a product  
24 manager or product engineer up to a director of engineering, got  
25 his own consulting firm where he designs bows and other

1 products, spent a lot of time working with patent attorneys to  
2 draft patent applications and avoid patent claims and the like  
3 so if you talk about a technical expert in this field, that's  
4 Jason Fogg, that is not Mr. Sturm who is an experienced patent  
5 attorney, so in -- in deciding how much weight to give their  
6 testimony, we feel that's an appropriate consideration.

7           So let's get into the claim construction. Says first  
8 string guide and second string guide. They contend, Mr. Kempf  
9 contends, that it is everything on the first limb that guides a  
10 string and now Bowtech says a first or second string cam or  
11 pulley for guiding a string as it is taken up or let out, when  
12 the arrow is drawn back for shooting and released. Well,  
13 certainly, at first blush, where did that language come from?  
14 Well, where it came from is it came from the claims and the  
15 specification.

16           THE COURT: Can we jump to one of their arguments that  
17 I find compelling and I want to know why I shouldn't and that is  
18 when we're construing statutes, when we're construing contracts,  
19 whenever we are construing any sort of written language as in  
20 here where they have used the words cam and pulley later, it  
21 suggests they know what cam and pulley is, obviously they do,  
22 and they use that term in claims 10 and 11, but they use string  
23 guide in three. I assume that the patent examiners are pretty  
24 astute and see that sort of thing very clearly. Why isn't that  
25 a powerful indication that string guide means something broader



1 than cam and pulley?

2 MR. HEUSER: The fact is it doesn't matter whether it  
3 is cam or pulley. It could be rotatable members. It doesn't  
4 matter from an infringement standpoint. We are using cams and  
5 pulleys, they are using cams and pulleys, everybody in the field  
6 does, so if you want to call them rotatable members, that's  
7 fine, we're fine with that, because that's what the claim  
8 required so let's consider -- I think it is a good point that  
9 the other claims do use the terms cam and pulley and they do  
10 require like the first string guide be a cam or the first string  
11 guide be a pulley, so they apply it a little differently; but it  
12 is a very good point and I think we're probably better off if we  
13 say simply rotatable member, rotatable member. The claim  
14 requires that, so let's talk in terms of that being a rotatable  
15 member instead of cam or pulley. It doesn't matter for this  
16 case, Your Honor.

17 So if we -- if we go to the first string guide, what  
18 is the claim? We've got to look at the claim first. What does  
19 the claim tell us? The claim tells us more than merely using  
20 the term first string guide. What does it say? So B and D talk  
21 in terms of string guides, but we have got C and E here that  
22 talk about means for journaling. That tells us that whatever  
23 these string guides are, they're mounted on the limbs to rotate.  
24 We know that from the claim. That's what it says. Similarly F  
25 and G talks about the strings being coupled is the means for

1 journaling, we already know provides the rotatability function.  
2 They have to rotate. That's the claim --

3 THE COURT: So why do you have to say rotatable member  
4 in context of string guide if you say that journaling  
5 automatically provides rotation?

6 MR. HEUSER: They might have said that. They might  
7 have -- I think though that if you look at the way -- it didn't  
8 say rotatable member, it says string guide, you're right. They  
9 might have -- they might have used rotatable, they might have  
10 just said cam or pulley --

11 THE COURT: But I thought the point of journaling is  
12 to make sure that it is rotatable and so therefore why would you  
13 say it again in another -- in another portion of the claim?

14 MR. HEUSER: Because you don't have to say it twice.  
15 The point is they just said first string guide --

16 THE COURT: That's my whole point, you don't have to  
17 say it twice. So you say cam or pulley or rotatable member, but  
18 if you have already got journaling in another section of the  
19 claim, then we've already got the rotational elements in one of  
20 the claim specifications.

21 MR. HEUSER: That's a good point, but we've got to  
22 read -- we're interpreting the entire claim. We are not  
23 interpreting these particular limitations in isolation. We've  
24 got to look at the whole claim so we can't just say a first  
25 string guide is anything that guides a string. We have to look

1 at the whole claim. That's what Phillips told us.

2           You are right, if you interpret it to mean rotatable  
3 cam or pulley, I suppose that might be saying it twice; but what  
4 I am saying is that you've got to look at the entire claim and  
5 the way it is used so there's nothing -- there's no violation of  
6 Phillips or any other Federal Circuit case where we interpret  
7 that claim language in view of the entire claim so that's why we  
8 know -- we know they're journaled to the limbs, we know they  
9 rotate -- they -- H and I provides -- it talks about how an  
10 arrow is mounted to the second string. We know the second  
11 string is the bowstring.

12           Here we say the arrow is extended from the second  
13 string to the riser, and the arrow is coupled to the second  
14 string at a point rearward of the first string guide. Now, here  
15 it is forward of the first string guide. When they recite that  
16 it is rearward of the first string guide, we know that the  
17 string has -- therefore the arrow has been pulled back so at  
18 that point we know that the claim there is talking about it  
19 being pulled back so what happens as it is being pulled back?

20           We know given that the journaling means are there, we  
21 know that the rotatable members are rotating. That's what the  
22 claim requires. The claim doesn't say -- they can't be  
23 stationary for that thing to be drawn back. We know that. We  
24 don't have to look to an expert in the art to know that. We  
25 know if you pull it back, they are going to be rotating, but

1 that's -- that's how we interpret first string guide when we  
2 look at the entire claim language.

3 Again, looking at the crossbow, again for this point,  
4 coupled to the second string rearward of the first string guide,  
5 it's got to be pulled back, so we know again we are talking  
6 about cocking the -- cocking the bowstring, pulling it back, and  
7 to pull it back, of course, the string guides have to be  
8 rotated.

9 The spec talks about it being a cam or a pulley; but  
10 again, I don't care if it is a cam or a pulley or just a  
11 rotatable member. They repeatedly talk about pulley, cams  
12 throughout -- throughout the specifications and Mr. Trout makes  
13 the point citing the last paragraph of the patent how the claim  
14 should not be limited to the particular embodiment and that kind  
15 of thing. I know you have had other patent cases. You know  
16 that every patent has that last paragraph. That's what patent  
17 attorneys put in their patents. That doesn't mean it covers  
18 everything. You are limited to the claims properly construed  
19 normally by the intrinsic evidence.

20 Again, the spec talks about pulling it back and  
21 cocking it, same thing with respect to the crossbow, talks about  
22 pulling it back and cocking it, but we already know that.

23 Now, we look to the extrinsic evidence, we go to the  
24 experts, we look to Jason Fogg, and he says the string guide is  
25 not a term of art. Mr. Sturm never objected to that so I think

1 they agree it is not a term of art so it is not a situation  
2 where they're saying this is what string guide means in the art.  
3 No real definition, so -- and Mr. Fogg concluded that consistent  
4 with the interpretation of string guides being a cam or pulley  
5 that takes up or lets out string.

6 Now, Mr. Trout noted that there was no extrinsic  
7 evidence that supported our position on let out or take up, but  
8 to the contrary, Mr. Sturm, in his report, cited two patents,  
9 actually cited a third one because he cited Mr. Fogg's patent,  
10 but the two other patents that he cited both talk about take up  
11 or let out. They both talk about it. It just so happened  
12 because a lot of patents in this field talk about take up or let  
13 out, there's no dispute as to that's how they work, we all know  
14 that, and so you can look at the Darlington and Larson patents,  
15 and I referred in my brief where they talk about let up and take  
16 out, it is all around the extrinsic evidence. I didn't put that  
17 in my brief, I hadn't collected any evidence of that because I  
18 didn't think that was going to be an issue, but the fact is it  
19 is in the extrinsic evidence that is before the Court.

20 Now, Mr. Kempf, his expert talks about grooves and  
21 walls and keeping the string in the groove if the bow is bumped  
22 or jarred. Mr. Trout showed us drawings that Mr. Sturm created.  
23 Well, Mr. Sturm does not start his analysis with the claims, he  
24 doesn't then go to the specification as Phillips tells us he is  
25 supposed to do.

1           What he does is he jumps to these drawings he's  
2   created talking about -- talking about walls and grooves and we  
3   know that cams and pulleys all have walls and grooves, of course  
4   they do; but one of the things that he talks about is he says  
5   that those -- the first string guides don't have to be movable.  
6   They don't have to be movable, but wait, the -- the claims  
7   require that they be movable, the specification talks about them  
8   being movable, so if -- if the proper interpretation is that a  
9   string guide doesn't have to be movable, you'd think that it  
10   would be more appropriate that it would be a first and second  
11   string holder.

12           There's no basis -- talk about out of thin air,  
13   there's nothing in the intrinsic evidence at all that talked  
14   about a stationary string guide that is designed to hold the  
15   string in place if it is bumped or jarred. That's nowhere in  
16   the patent. We compare that to the discussion of the rotation  
17   of the cams and pulleys as the bowstring is pulled and released,  
18   we know they are rotating members.

19           New, Mr. Trout cites to Mr. Fogg's own patent. He  
20   provides a definition of a pulley for the purposes of that  
21   patent. That just shows that you refer to the specification.  
22   His patent attorney knew that when the claims were being  
23   interpreted, the Court would go to the specification and he  
24   provided a definition in that specification for that patent that  
25   would be applied to the claims. That simply shows us that again

1 the Phillips case says the specification is the best guide for  
2 what the claim language means.

3           So just to summarize again, they talk about it being  
4 everything that guides a string, and we think there's plenty of  
5 basis there, in fact, the language cries out to be defined as  
6 rotatable members, and let's call them rotatable members instead  
7 of cams or pulleys, but they do take up and let out as the arrow  
8 is being pulled back. That's what the claims talk about, that's  
9 what the spec talks about.

10           Mr. Kempf's construction, it really violates -- if he  
11 is talking about anything that guides a string, they're trying  
12 to get us into the journaling means. The journaling means has  
13 to be very different, very different from the first string guide  
14 and the second string guide and as the Court can see in the  
15 crossbow in front of you, in that design you've got the second  
16 string, that is the bowstring goes between the cams, between the  
17 first and second string guide; but then you see the first  
18 strings or the cables go between the cams or pulley and the  
19 means for journaling. It goes to the axle.

20           So what is really important here is that -- is that  
21 we've got to remember that Provision F talks about means for  
22 journaling. It doesn't say that the cable extends between the  
23 first string guide and the means for journaling. It extends  
24 between the first string guide and the second string guide and  
25 to ignore that limitation is violating the very basic

1 construction rule, that is you've got to give effect to every  
2 provision in the claim and that's some of the cases there that  
3 we have cited so it cannot be construed to include as a means  
4 for journaling as one of the two string guides.

5           We've talked about some of the other -- there was some  
6 confusion. I guess it sometimes happens when people exchange  
7 briefs at the same time. We construed in our first brief the  
8 first and second string guides and Clause F and then we talk  
9 aboutnock point because that's the only terms they identified  
10 in their first identification and they address all of our  
11 points. I think then we did -- I addressed all of their points  
12 in our rebuttal brief. At any rate I think that sometimes  
13 happens, but I think we agree that a lot of this language has to  
14 be interpreted.

15           The means for journaling, we don't have any dispute  
16 there. They said that it covers anything that journals the  
17 first or second string guide to the first limb when really this  
18 is means plus function language. I know the Court is aware that  
19 means plus function language is guided by Section 112, Paragraph  
20 6, which is now changed to Paragraph F, but it still says that  
21 you've got to look to cover the corresponding structure,  
22 material, or acts described in the specification and equivalents  
23 thereof. We don't decide equivalents at a Markman hearing so  
24 really we go to the spec, see what's covered, see what -- well,  
25 the means for journaling, we know that, then you go to the



1 specification, you see it discloses axles, but I don't think the  
2 parties disagree on what the means for journaling is, they're  
3 axles, and so that's -- I don't think that's a dispute.

4           Then we get to F, and F is the one I alluded to  
5 previously. This says a first sting coupled to the second  
6 string guide and the second string guide, it doesn't say coupled  
7 to the first string guide and to the means for journaling. It  
8 can't be construed so broadly.

9           Again, we talked about coupled. I will talk about  
10 coupled again in a moment, but again, it -- they let out and  
11 take up, again we go back to the term string guides and our  
12 definition there is pertinent. It doesn't say coupled the first  
13 string guide into the second journaling means.

14           G is a fairly long clause and we tried to come up with  
15 language that one skilled in the art would be able to  
16 understand, one skilled in the art would say this is what is  
17 being said here. We try to do it in a way that would be  
18 understandable to the jury so the other side proposed that it be  
19 any string coupled to the fronts of the string guides; but when  
20 you look at the entire claim language, and you break this out  
21 phrase by phrase, you can see that our claim language, our  
22 proposed claim interpretation is required by the claims.

23           So if we -- if we look at the claim three, for  
24 example, and now we are interpreting -- we're interpreting what  
25 is a second string, H and I here, H and I required that the

1 second string be a bowstring and Mr. Trout talked about it with  
2 you, it has got to be a bowstring because the arrow was coupled  
3 with the second string and we know that the arrow has to be  
4 coupled to the bowstring, it is not going to be coupled to the  
5 cables, it is shown in the drawings as well, so we know the  
6 bowstring has to be the second string, we know that, therefore  
7 it is not any string, it is the second string, and then  
8 Paragraph G talks about it a little bit more, I won't go through  
9 that because I don't think we have any disagreement there on  
10 what the bowstring is, but both the specification and the claims  
11 talk about it.

12 Let's talk now about the -- G talks about -- well, it  
13 is -- I don't -- I don't think we disagree on that; but let's  
14 just look to see what the first point and the second point are  
15 because the claims and the spec make it clear what is meant by  
16 this. We propose in our construction that the first point and  
17 the second point be the first contact with the cam or pulley.

18 Now, we know that -- we know that the bowstring is  
19 mounted to the pulley, mounted to the cam, and we know it is  
20 mounted somewhere around the circle of the pulley. It has got  
21 to be mounted to a post or somehow fastened to the pulley, but  
22 -- so it could be coupled anywhere there; but Paragraph G helps  
23 us, because it tells us where that first point has to be. It  
24 says, "A second string coupled from a first point on the first  
25 string guide forward of the first journaling means," so here is

1 the first journalling means is that (Indicating) on the left, we  
2 know that it is forward of the first journalling so it has to be  
3 somewhere up here (Indicating) and the point of first contact is  
4 forward of the first journaling means to a second point on the  
5 second string guide forward of the second journaling means.  
6 Again, that's forward in the direction of shooting of the second  
7 journaling means, so that helps us -- helps tell us where the  
8 first point and the second point are.

9 Now, if we look to the specification here, we see --  
10 I'm sorry, the printing is a little small -- but this defines it  
11 a little bit differently, but requires -- or it uses different  
12 language to require the first thing. It says that the bowstring  
13 is coupled to a pulley in a position located between the first  
14 journaling point and the riser, so it says it is coupled to it  
15 between the first journaling point and the riser over here.  
16 (Indicating) So again, that first journaling point, that's the  
17 first point at which it is coupled, has to be the first point of  
18 contact because that's between the journaling means and the  
19 riser and again, similarly the bowstring is coupled to cam seven  
20 and six, there is a position located between them, a second  
21 journal point, and the riser 64 so again, we know now what is  
22 meant by first point. It is that first point of contact with  
23 the string on the cam or pulley.

24 So the language -- it would be nice to say any string  
25 coupled to the fronts of the string guide, that would be nice

1 and simple, that would be very sharp; but we think after going  
2 through this the Court will see that the bowstring is the second  
3 string, the first point of contact is that point, that first --  
4 the -- it is the first point at which the string contacts the  
5 pulley, and then we just get down to the definition of string  
6 guides which we have previously said is a rotatable member that  
7 rotates and I guess we don't even get to that there. It talks  
8 about the bowstring operation. That's what I just covered, the  
9 claim language requires that interpretation, so unfortunately we  
10 have to get into more detail, but this is the language that the  
11 jury is going to understand going through this.

12 Means for retaining a cocked position, again this is  
13 Section 112, Paragraph 6 or Paragraph F, it is a releasable  
14 catch mechanism. We have to go to the specification under 112,  
15 Paragraph 6, we see that the catch mechanism 84 is described.  
16 Again, I don't think the parties disagree on what that is, it is  
17 just important that the Court apply Section 112, Paragraph 6, in  
18 an appropriate way.

19 So the point about the cam and pulley is a very good  
20 one, Your Honor. It is recited in the other claims and  
21 therefore if the Court wants to say it is a rotatable member  
22 instead, that's just fine, we know it has to rotate from the  
23 claim and from the specification and we are not using language  
24 twice when we interpret string guide to be a rotatable member.  
25 We are using the entire claim language to support our

1 construction which is what Phillips tells us we should be doing.  
2 That's all I have, Your Honor.

3 THE COURT: Thank you. Mr. Trout, do you have brief  
4 rebuttal you would like to make?

5 MR. TROUT: Your Honor, may it please the Court. I  
6 just have a few brief remarks. The explanation that means plus  
7 function language is limited to the preferred embodiment is  
8 correct. We are not trying to argue every last little detail.  
9 That's why we surrendered on the means for journaling would be  
10 an axle assembly because means for journaling language, as Mr.  
11 Heuser explained earlier, that the rule was changed so that you  
12 are limited.

13 We are talking about string guide and we are talking  
14 about, you know, all the other terms in here, we are not talking  
15 about means plus function language. This is strictly claim  
16 language that has no restriction on means plus function and that  
17 cardinal sin of removing material from the specification is dead  
18 on.

19 What we -- I think -- may I approach the bench to take  
20 a look at, Your Honor --

21 THE COURT: Yeah.

22 MR. TROUT: I just wanted to make sure that that is  
23 what -- the Defendants' contention that the string guide -- or  
24 that the means for journaling and the string guide have to be  
25 different things is very well taken. That's correct. They

1 can't be the same thing and we're not trying to make them the  
2 same thing.

3           If that string was coupled to that axle, then it would  
4 not infringe. I think that's a pretty bold statement. It is  
5 not connected. It is not coupled or journaled to the axle, it  
6 is journaled to a portion of the string guide. It is very  
7 difficult to see if you look on there, but there is another  
8 component of the string guide that it is coupled to instead of  
9 being coupled directly to the axle; and if I may, according to  
10 Mr. Fogg, the Defendants' expert, the term encompasses not only  
11 a wheel such as what is coupled there or a cam, but the assembly  
12 of the two, so it is a very well taken point that if we were to  
13 try to say that if it was coupled to the axle, then we would be  
14 saying one thing is two things and we're definitely not saying  
15 one thing is two things. The string is coupled to a portion --  
16 both strings are coupled to a portion of the string guide.

17           Now, in terms of the question of the first point of  
18 contact and how these things move, I mean, all those things are  
19 taken from the preferred embodiment. The -- when you look at  
20 the claims, it says, you know, coupled from a point on the  
21 string guide forward of the journaling means, then to pick out a  
22 specific point that is not forward of the journaling means is  
23 inaccurate. I mean that-- you cannot do that.

24           If it is coupled anywhere in front, I mean, you would  
25 have to take it from somewhere in front. The claims are not

1 limited in that way and to take anything from the specification  
2 in terms of how the bow operates to pick a specific point being  
3 the first point of contact, there is no support for that  
4 whatsoever.

5 Nothing further, Your Honor.

6 THE COURT: Thank you very much. This has been very  
7 helpful and I am, of course, going to reserve ruling, but we  
8 will get something out in a couple weeks.

9 MR. HEUSER: Your Honor, would you like to keep this  
10 crossbow?

11 THE COURT: Thank you. No. We will give that back to  
12 you. Thanks. We are in recess.

13 (Proceedings concluded at 2:36 p.m., July 9, 2013.)  
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C E R T I F I C A T E

I, the undersigned, a Certified Shorthand Reporter of the State of Iowa, do hereby certify that I was called in the capacity of a Certified Shorthand Reporter to report the foregoing proceedings in the above-captioned matter and that same was taken down by me in stenotype and later reduced to Computer-Aided Transcription under my supervision and direction, and that the foregoing Transcript of Proceedings is a true record of the testimony given and all objections interposed and rulings made thereon.

I further certify that I am neither attorney or counsel for, nor related to or employed by any of the parties to the action in which these proceedings were had, and further, that I am not a relative or employee of any attorney or counsel employed by the parties hereto or financially interested in the action.

Dated at Davenport, Iowa, this 26th day of July, 2013.

/s/ Linda Faurote-Egbers  
Certified Shorthand Reporter